

Date: Sun, 22 May 94 04:30:38 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #154
To: Ham-Equip

Ham-Equip Digest Sun, 22 May 94 Volume 94 : Issue 154

Today's Topics:

 6-meter Mobile (and the new TS60) (2 msgs)
 [Summary] Kenwood TH-78A *OR* Yaesu FT-530
 [SUMMARY] PK-232MBX vs. MFJ-1278B
 Advice sought: 10m rig & car don't get along
 AM Mod on Alinco DJ-F1T
 Is it worth re-tubing GLA-1000B amp
Is it worth re-tubing GLA-1000B amp based on 6LQ6's?
 TH78 No more 800 mhz rx?
 TS50 Users - Comments? (2 msgs)
 WANTED: Current MODS for Kenwood TH 78A
 Wanted:Laptop or Portable for Packet

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 May 94 12:25:34 GMT
From: agate!howland.reston.ans.net!darwin.sura.net!blackhole.delmarva.com!
blackhole.delmarva.com!news@ucbvax.berkeley.edu
Subject: 6-meter Mobile (and the new TS60)
To: ham-equip@ucsd.edu

Is 6-meter mobile DX a practical concept? I have been seeing/hearing of
sporadic band openings and was curious.

I'm a new ham (waiting for the folks in Gettysburg to print my ticket) and
wondered if 6 meters would provide some challenge.

Anyone operating with the new TS60 out there?

- John

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+-----+
| John K. Scoggin, Jr.      Email: scoggin@delmarva.com |
| Supervisor, Network Operations      scoggin@ee.udel.edu |
| Delmarva Power & Light Company      Phone: (302) 451-5200 |
| 500 N. Wakefield Drive      NOC: (800) 388-7076 |
| Newark, DE 19714-6066      Fax: (302) 451-5321 |
|                               Ham: N3??? (real soon now!) |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination... |
| Just a pothole-patcher on the Information Superhighway. |
+-----+
```

Date: 22 May 94 00:34:50 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!sdd.hp.com!col.hp.com!
bobw@ucbvax.berkeley.edu
Subject: 6-meter Mobile (and the new TS60)
To: ham-equip@ucsd.edu

John K Scoggin Jr (scoggin@delmarva.com) wrote:

: Is 6-meter mobile DX a practical concept? I have been seeing/hearing of
: sporadic band openings and was curious.

Let's see... define "practical". I've run 6 meters mobile and have
enjoyed it immensely. The thing you've got to understand about 6M operation
is that its generally long periods of boredom punctuated by short
periods of excitement. The band openings are fun, somewhat infrequent,
and difficult to predict.

Bob Witte / bobw@col.hp.com / Hewlett Packard PMO / KB0CY / (719) 590-3230

Date: Sun, 22 May 1994 09:05:46 GMT
From: vigra.com!steve@network.ucsd.edu
Subject: [Summary] Kenwood TH-78A *OR* Yaesu FT-530
To: ham-equip@ucsd.edu

A while back I was following the thread on the Kenwood TH-78A vs.
Yaesu FT-530, and I thought I'd post a summary of what I learned from
y'all, since it seems there's a few other people out there faced with

the same choice.

First, I had a lot of incorrect info in my post. Specifically:

- The Yaesu digital microphone is NOT alphanumeric.
- CTCSS **does** come standard with the Kenwood in the U.S. Other countries maybe not, so check.
- The Kenwood keypad **does** light up with the display, just like the Yaesu.

All told, it sounds like the two radios are very close in features. Only the Kenwood has alphanumeric memory, but it costs you half of your slots. An expansion to 250 memories (125 alpha) is available, but the standard memory (50) is less than the Yaesu (82).

The Yaesu has an internal voltmeter, PL tone search, and Vox built in.

Some say that the keypad on the Yaesu is a bit easier to use because it doesn't have the sliding cover like the Kenwood. Others like the cover.

Apparently, the antenna that comes with the Kenwood is not too good, and it's a little shorter than the Yaesu's. Some recommend a third-party add-on duckie.

As far as reception, they sound pretty much the same. The Yaesu may have a little better intermod rejection, but not that much.

The decision???

I chose the Yaesu FT-530, and have had it for about a few weeks now. I like it very much, but it has a few ergonomic snags. I also did the receive-only expansion mod (13 & 15), and it seems to work fine. I'll probably post a summary of my impressions after I give it a few more weeks. By then, I may even have paging figured out. :-)

Thanks very much for all your input, especially Marc Wollemborg <mrw13@columbia.edu> for passing info along. My thanks to:

Scott_Migaldi@csg.mot.com (Scott F. Migaldi)
prvalko <prvalko@vela.acs.oakland.edu>
P.Marsolais@mailstop.telesat.ca (Marsolais, Pierre)
drt@world.std.com (David R Tucker)
Robert Penneys <penneys@brahms.udel.edu>
Gerwitz James <p06288@gegpo9.geg.mot.com>
reese@unity.ncsu.edu
BRUNELLI_PC@delphi.com
Troyce <Troyce@bio.tamu.edu>
William A. Kirsanoff <William_A._Kirsanoff@ccmail.anatcp.rockwell.com>
levine@jericho.mc.com (Bob Levine)
rogjd@netcom.com (Roger Buffington)

-Steve

Steve Haehnichen
steve@vigra.com

Vigra, Inc. San Diego, CA
(619) 597-7080 x116 Fax: (619) 597-7094

Date: Sun, 22 May 1994 08:35:25 GMT
From: vigra.com!steve@network.ucsd.edu
Subject: [SUMMARY] PK-232MBX vs. MFJ-1278B
To: ham-equip@ucsd.edu

I got a lot of helpful replies to my recent "PK-232MBX vs. MFJ-1278B" post. Thanks much! Here's what I learned:

Most people strongly prefer AEA's gear over MFJ. Apparently, MFJ's quality control leaves something to be desired. Some have had better luck than others, but some replies indicate that MFJ does much poorer with weak signal HF, and the MFJ leaks significant amounts of RF, which hurts some more than others. The filtering on the PK-232 is much better than the MFJ's, and the tuning indicator is more useful.

Both units are about equal for local VHF packet, where filtering and discrimination isn't too much of an issue. Many recommended checking into the KAM units or PK900 as well, but I haven't yet.

ROM upgrades for the PK-232 are more expensive (\$75 + \$25 for docs) than the MFJ upgrades (\$25). If you plan on upgrading often, this may be an issue.

It's true that only the MFJ does SSTV and shaded Fax, so for those who use it for that, the AEA can't substitute. However, most replies recommended getting a basic Fax-only box if Fax is going to be a significant factor. The AEA-FAX (~\$100 hardware & software) is well recommended.

Apparently, AEA doesn't provide or make available any software to decode the Fax data from the PK-232, making it pretty useless. MFJ is a better about it, but doesn't get along with Windows very well. The MFJ software may also be minimally copy-protected, which seems odd.

The internal BBS feature on the MFJ (pbbs) seems a bit better than the PK-232's (PakMail). People like the CHAT command and some auto-forwarding features. It sounds like gobs of RAM aren't really an issue for personal mailboxes with medium traffic.

Overall, it sounds like the PK-232 is a much more reliable unit for

Packet and other modes, but if SSTV or Fax are critical, MFJ or specialized boxes are the only option. Many suggested starting with the inexpensive Baycom (~\$50), but it only work's on DOS machines.

Thanks very much for all your responses! Especially these helpful folks:

barry@w2up.wells.com (Barry Kutner)
Kok Chen <kchen@apple.com>
kriss@AUSTIN.LOCKHEED.COM (R M Kriss)
gsmlrn@gsm001.mendelson.com (Geoffrey S. Mendelson)
gregg@plains.NoDak.edu (Joe Gregg)
jwl@sedist.cray.com (Jim Lynch)
mm1@Hounix.ORG (John Donaldson)
levine@jericho.mc.com (Bob Levine)

Happy Hacking!

-Steve

Steve Haehnichen
steve@vigra.com

Vigra, Inc. San Diego, CA
(619) 597-7080 x116 Fax: (619) 597-7094

Date: Fri, 20 May 1994 18:04:54 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!
howland.reston.ans.net!europa.eng.gtefsd.com!emory!rsiatl!ke4zv!
gary@network.ucsd.edu
Subject: Advice sought: 10m rig & car don't get along
To: ham-equip@ucsd.edu

In article <phybs.113.000E3808@mizzou1.missouri.edu> phybs@mizzou1.missouri.edu (Bernhard Stepke) writes:

>I have a HR2510 inside a diesel powered 87 VW. When I key up I experience one
>or more of the following symptoms: an alarm I have never heard before, a wild
>tachometer, seat belt warning light, oil warning light, clicking noise in the
>fuse box. The latter is the most common. I am glad that I don't have a
>computer in there controlling an engine (my diesel is mechanically inclined so
>to speak).

>

>I have a direct power line to the battery and a glass mounted antenna.
>I tried 3 other antennas & coax cables...no difference. SWR is within
>acceptable limits. Does anybody have any suggestions ?

Were any of those 3 other antennas thru-hole mounted?

If not, you've just found the root of your trouble. When I tried a glass mounted dummy load on my Camaro, its instruments went nuts too. A magmount caused less trouble, and even radiated a fair signal, but it took *drilling the hole* and mounting a real antenna to solve the problem of RF in the cabin.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Fri, 20 May 94 21:40:00 -0500
From: iat.holonet.net!wwswinc!art.harris@uunet.uu.net
Subject: AM Mod on Alinco DJ-F1T
To: ham-equip@ucsd.edu

I clipped the appropriate wire to enable AM aircraft receive on my Alinco DJ-F1T, but the aircraft audio seems distorted and the sensituvity somewhat poor on AM.

Anyone else notice this on Alinco or other HTs?

Any comments or suggestions are welcome.

73

Art N2AH

Date: 22 May 94 05:13:14 GMT
From: dog.ee.lbl.gov!agate!cat.cis.Brown.EDU!noc.near.net!news.delphi.com!
domonkos@ucbvax.berkeley.edu
Subject: Is it worth re-tubing GLA-1000B amp
To: ham-equip@ucsd.edu

>I have a Dentron GLA-1000B amplifier (80-15/10, ~600W out from four 6LQ6's).
>I'm trying to decide what to do with it - the tubes are pretty well shot and
>I'm told that new sweep tubes are expensive, difficult to obtain, and
>may not work as well (i.e., lifetime) as tubes that were contemporary with
>the amplifier (early 80s). Can someone tell me a good source for good
quality,
>inexpensive 6LQ6's (this would fix my problem but such a source may not
exist),
>or should I try to rebuild the amp using real transmitting tube(s),
>or should I trash it? If I rebuild it using real tube(s), what tube would
>be a good choice for a similar operating point (about 1100V on the plate,
about

>750 mA on the plate). I've been looking at tube spec sheets and it seems that
>most tubes in this power class are designed for higher (2KV or more) plate
>voltage and I don't think I have room inside the box for the larger plate
>tuning capacitor that would be required. It would, however, make a fun project.
>--- Comments? Thanx!! 73 dave WB0GAZ dgf@netcom.com
>
>
Dave,

Try using 6MJ6's instead. I used an amp w/them and got pretty good life out of them (>8 years w/heavy use on 80M cw/ssb).

Andy N3LCW

Date: 21 May 94 23:33:46 GMT
From: agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!dgf@ucbvax.berkeley.edu
Subject: Is it worth re-tubing GLA-1000B amp based on 6LQ6's?
To: ham-equip@ucsd.edu

I have a Dentron GLA-1000B amplifier (80-15/10, ~600W out from four 6LQ6's). I'm trying to decide what to do with it - the tubes are pretty well shot and I'm told that new sweep tubes are expensive, difficult to obtain, and may not work as well (i.e., lifetime) as tubes that were contemporary with the amplifier (early 80s). Can someone tell me a good source for good quality, inexpensive 6LQ6's (this would fix my problem but such a source may not exist), or should I try to rebuild the amp using real transmitting tube(s), or should I trash it? If I rebuild it using real tube(s), what tube would be a good choice for a similar operating point (about 1100V on the plate, about 750 mA on the plate). I've been looking at tube spec sheets and it seems that most tubes in this power class are designed for higher (2KV or more) plate voltage and I don't think I have room inside the box for the larger plate tuning capacitor that would be required. It would, however, make a fun project.
--- Comments? Thanx!! 73 dave WB0GAZ dgf@netcom.com

Date: Fri, 20 May 1994 15:24:33 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!gatech!udel!news2.sprintlink.net!news.sprintlink.net!sundog.tiac.net!usenet.elf.com!rpi!psinnntp!arrl.@@ihnp4.ucsd.edu
Subject: TH78 No more 800 mhz rx?
To: ham-equip@ucsd.edu

There was a recent posting in the scanner newsgroup to the effect

that Kenwood worked real hard to eliminate 800-900 MHz coverage on this radio. In the USA Congress told the FCC to make it more difficult for people to modify scanners to cover cellular phones.

ppddgc@uwovax.uwo.ca VE3ZDC wrote:

: I just bought a Kenwood TH78A Dual Band at Dayton and have had the wide band
: modifications done to it. Important to me was 800 mhz public safety receive
: but it seems that it will not cover there. It will receive the 300 mhz
: extended rx but not 800 mhz.

: The tech did the D3, D4, and removed the W1 jumper. D1, D2, D5 and D6 are
: all present. We did the memory reset. Did we miss something?

--

Zack Lau KH6CP/1 2 way QRP WAS
8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: 21 May 94 12:15:34 GMT
From: news-mail-gateway@ucsd.edu
Subject: TS50 Users - Comments?
To: ham-equip@ucsd.edu

Any Hams using the TS-50 compact HS Txcvr that have good or bad experiences?

Jack/aa1fh

Date: Sat, 21 May 94 08:37:59 PDT
From: usenet.elf.com!sundog.tiac.net!news.sprintlink.net!news.onramp.net!
usenet@uunet.uu.net
Subject: TS50 Users - Comments?
To: ham-equip@ucsd.edu

I have had a TS-50 for a year...first Kenwood I've been real happy with. It is a fine rig for mobile operation. Lets me do hamming, cbing and swling. I keep as default antenna a 4 foot ten meter whip on a trunk lip mount, and with that setup it is great for swling, etc. I keep a supply of Hamstick antennas in the trunk, just in case i get serious while out and about.

I would not reccomend the TS-50 for home operation. It lacks the ammenities that

you
would need there, but for mobile ops it is top of its class.

-George Csahanin
WB2DYB/5

Date: 20 May 94 17:23:24 GMT
From: elroy.jpl.nasa.gov!usc!cs.utexas.edu!news.unt.edu!sol!io90@ames.arpa
Subject: WANTED: Current MODS for Kenwood TH 78A
To: ham-equip@ucsd.edu

Hiya Folks,
Does anyone have the current mods list for the 78A? The latest one I found was DEC of 93. If its easier just email it to me at io90@sol.acs.unt.edu . And also, if anyone here happens to be an EMT/Paramed, will it TX and RX on med emergency frequencies <Sure wouldbe better than having to use the old maxoms we have.

TNX

Trey

io90@sol.acs.unt.edu

Date: Sat, 21 May 1994 08:01:36 GMT
From: ihnp4.ucsd.edu!mvp.saic.com!news.cerf.net!usc!sdd.hp.com!
saimiri.primite.wisc.edu!news.doit.wisc.edu!F180-155.net.wisc.edu!
bmicales@network.ucsd.edu
Subject: Wanted:Laptop or Portable for Packet
To: ham-equip@ucsd.edu

Hi and thanks for reading this,

I am interested in getting hold of a laptop or portable computer to be used only with my packet station. I am looking for something that is a 286 to 386, can run MSDOS (4 or 5 - I have the software), has at least one floppy drive (3.5" or 5.25") and at least a 10 meg hard drive.

I am hoping :) to find one for less that \$250.00. If anyone out there as one that is "collecting dust", please contact me either at:

Home phone # 608-833-7350
E mail Address : bmicales@facstaff.wisc.edu
Packet PBBS : WA2DEU@WD9ESU.#SCWI.WI.USA.NOAM

Verona, WI 53593

Looking forward to any comments and/or offers. 73 de WA2DEU

Date: 22 May 94 03:53:04 GMT
From: agate!ihnp4.ucsd.edu!news.cerf.net!ccnet.com!ccnet.com!not-for-mail@ucbvax.berkeley.edu
To: ham-equip@ucsd.edu

References <2qdrf1\$490@boxhill.com>, <2qdt0e\$490@boxhill.com>,
<CSLE87-100594161425@145.39.1.10>for
Subject : Re: FT-530 AM Mode on 800 Band Possible?

Karl Beckman (CSLE87@email.mot.com) wrote:
: In article <2gdt0e\$490@boxhill.com>, ken@boxhill.com (Ken Stamm) wrote:

```
: > VFO    Band AM Possible?
: > -----
: > Right 800Mhz    No (FM Only)
```

```
: That's OK, Ken, you aren't missing anything. Nobody runs AM on 800
: MHz in the USA because the FCC generally does not allow it on any
: land mobile band anymore. Therefore I would expect that the AM mode
: is in the radio ONLY for aircraft band reception from 108-136 MHz
: because that's the only place they still use AM.
```

The new 900 MHz air phone band uses narrow band amplitude compandered technology. Frequency spacing of 6 kHz. To demodulate these signals the am detector works best in the simple handheld radios.

— —

Bob Wilkins	work	bwilkins@cave.org
Berkeley, California	home	rwilkins@ccnet.com
94701-0710	play	#nocal.ca.usa.noam

Date: Sat, 21 May 1994 08:50:18 -0700 (PDT)
From: ronald jackson <ronald@cyberspace.com>
To: ham-equip-digest@ucsd.edu

```
delete ronald@cyberspace.com ham-equip
```

Date: Sat, 21 May 1994 03:11:14 GMT
From: rde!gator!tous!ocelot!sgb!steven@uunet.uu.net
To: ham-equip@ucsd.edu

References <1994May10.042331.13299@iitmax.iit.edu>, <2qp6r0\$joh@news.nd.edu>,
<phb.768831409@melpar>sgb
Subject : Re: Newbie WARNING to fellow Newbies

Paul H. Bock (phb@syseng1.melpar.esys.com) wrote:
: rnimtz@moe.helios.nd.edu (richard nimtz) writes:

: >What are the legalities of using a headset/earphone while mobile? I searched
: >the Indiana Code index the other day and didn't find anything related to it.

: Can't speak for Indiana, but in Virginia wearing any type of headset
: while driving is against the law; I think the fine is in the \$75 range.
: Several urban counties enacted this legislation a number of years ago before
: the state did, but now it's a statewide law.

It seems I thought Florida had such a rule on the books as well, except I
noticed the other day the guys who drive the county fire trucks always are
wearing headsets, presumably for information/directions, etc.

I guess the question might be are emergency vehicles/drivers exempt when
in an emergency vehicle from this rule (if it exists, I just thought it
did, for some reason).

They probably ought to do something about headsets and joggers/walkers...
I often ride my bicycle along the bicycle/jogging trails (they were on
the books as bicycle paths -long- before jogging trails ever was mentioned)
and I absolutely hate, despise these idiot joggers with their headphones
on their walkmans who can't hear you coming, can hear an "excuse me", they
just keep on puffing at 5mph not able to hear a darn thing! And if you
happened to be in their path, expect to get ran-over. They seem to think
you will shift out of their way (even though they are pedestrian traffic
which should go -around- a stationary item, not over or through it!!).

Yeah, I know this got slightly off topic... Sorry guys,

Steven

Internet:	steven@sgb.oau.org	Steven G. Bradley
	steven@gate.net	Forest City, Florida
GEnie:	s.bradley6@genie.geis.com	-----
CompuServe:	73232.505@compuserve.com	Phone: 407/862-7226

America Online: sgbradley@aol.com

| Modem: 407/862-8088

End of Ham-Equip Digest V94 #154
